

FORM PTO-1449 (modified)
To: U.S. Department of Commerce
(P&S FORM PAT-1449)
Patent and Trademark Office

Atty.
Dkt. No.

M#

Client Ref.

244954

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**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT**

DEC 29 1999

Date: December 29, 1999

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Applicant: GLENN

Appl. No.: 09/257,188

Filing Date: February 25, 1999

TECH CENTER 1500/2900

Examiner: not assigned

Group Art Unit: 1614 /LSA

U.S. PATENT DOCUMENTS

Examiner's Initials	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
ASZ	AR 4,235,871	11/1980	Papahadjopoulos et al.			
	BR 4,394,448	07/1983	Szoka, Jr., et al.			
	CR 4,497,796	02/1985	Salser et al.			
	DR 5,240,846	08/1993	Collins et al.			
	ER 5,399,346	03/1995	Anderson et al.			
	FR 5,328,470	07/1994	Nabel et al.			
	GR 5,580,859	12/1996	Felgner et al.			
	HR 5,589,466	12/1996	Felgner et al.			
	IR 5,593,972	01/1997	Weiner et al.			
	JR 5,620,896	04/1997	Herrmann et al.			
	KR 5,643,578	07/1997	Robinson et al.			
	LR 5,676,954	10/1997	Brigham			
LSZ	MR 5,679,647	10/1997	Carson et al.			
	NR 5,693,622	12/1997	Wolff et al.			

FOREIGN PATENT DOCUMENTS

	Document Number	Date MM/YYYY	Country	Inventor Name	Class	SubClass	English Abstract		Translation Readily Available	
							Enclosed	No	Enclose	No
ASZ	OR WO 99/41366	08/1999	WIPO						X	
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OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

ASZ	YR	Hongran FAN et al., "Immunization via hair follicles by topical application of naked DNA to normal skin", Nature Biotechnology, Vol. 17, September 1999, pp. 870-872			
LSZ	ZR	Mara BOVSUN, "DNA vaccine rubbed on skin provokes immune response", Biotechnology Newswatch, September 20, 1999, page 4			
	AAR				
	BBR				
	CCR				
	DDR				

Examiner

E. Aselt

Date Considered:

3/15/01

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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Applicant: GLENN

Appln. No.: 09/257,188

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Examiner: not assigned

Group Art Unit: 1614/6511

U.S. PATENT DOCUMENTS

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
SPC	AR 5,697,901	12/1997	Eriksson			
	BR 5,703,057	12/1997	Johnston et al.			
	CR 5,705,151	01/1998	Dow et al.			
	DR 5,733,762	03/1998	Midoux et al.			
	ER 5,736,524	04/1998	Content et al.			
	FR 5,739,118	04/1998	Carrano et al.			
	GR 5,770,580	06/1998	Ledley et al.			
	HR 5,783,567	07/1998	Hedley et al.			
	IR 5,804,566	09/1998	Carson et al.			
	JR 5,811,406	09/1998	Szoka, Jr. et al.			
	KR 5,814,617	09/1998	Hoffman et al.			
	LR 5,824,538	10/1998	Branstrom et al.			
	MR 5,827,703	10/1998	Debs et al.			
	NR 5,830,876	11/1998	Weiner et al.			

FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS										
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**INFORMATION DISCLOSURE STATEMENT
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Applicant: GLENN

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Examiner: not assigned

Group Art Unit: 4614/161

Date: December 29, 1999

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U.S. PATENT DOCUMENTS

Examiner's Initials	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
AR	5,830,877	11/1998	Carson et al.			
BR	5,840,059	11/1998	March et al.			
CR	5,843,913	12/1998	Li et al.			
DR	5,846,949	12/1998	Wagner et al.			
ER	5,849,719	12/1998	Carson et al.			
FR	5,858,784	01/1999	Debs et al.			
GR	5,866,553	02/1999	Donnelly et al.			
HR	5,877,159	03/1999	Powell et al.			
IR	5,885,971	03/1999	German et al.			
JR	5,910,488	06/1999	Nabel et al.			
KR	5,916,879	06/1999	Webster			
LR						
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FOREIGN PATENT DOCUMENTS

Document Number	Date MM/YYYY	Country	Inventor Name	Class	SubClass	English Abstract	Translation Readily Available
OR						Enclosed	No
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Examiner

Date Considered: 3/15/01

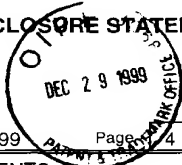
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Applicant: GLENN		TECH. CENTER 1600/2900
Appl. No.: 09/257,188		
Filing Date: February 25, 1999		
Examiner: not assigned	Group Art Unit: 1614/644	

Date: December 29, 1999 Page 4 of 5

U.S. PATENT DOCUMENTS

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
42	AR 4,587,044	05/1986	Miller et al.			
	BR 5,108,921	04/1992	Low et al.			
	CR 5,166,320	11/1992	Wu et al.			
	DR 5,225,182	07/1993	Sharma			
	ER 5,428,132	06/1995	Hirsch et al.			
	FR 5,547,932	08/1996	Curiel et al.			
	GR 5,578,475	11/1996	Jessee			
	HR 5,614,503	03/1997	Chaudhary et al.			
	IR 5,661,025	08/1997	Szoka, Jr., et al.			
	JR 5,695,991	12/1997	Lindholm et al.			
	KR 5,736,392	04/1998	Hawley-Nelson et al.			
	LR 5,766,899	06/1998	Kuo et al.			
582	MR 5,789,230	08/1998	Cotton et al.			
	NR 5,827,705	10/1998	Dean			

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DDR										

Examiner: *E. Gold* Date Considered: 3/15/01

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Applicant: GLENN

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Date: December 29, 1999

Page 5 of 5

Examiner: not assigned

Group Art Unit: 1614/644

U.S. PATENT DOCUMENTS

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
SR	AR 5,837,533	11/1998	Boutin			
	BR 5,844,107	12/1998	Hanson et al.			
	CR 5,846,540	12/1998	Restifo et al.			
SR	DR 5,856,187	01/1999	Restifo et al.			
	ER 5,877,302	03/1999	Hanson et al.			
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FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS							Abstract		Readily Available	
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Date Considered:

3/15/99

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Applicant: GLENN et al.

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Page 1 of 1

Examiner: Not Assigned

Group Art Unit: 4614/44

U.S. PATENT DOCUMENTS

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
	AR					
	BR					
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	ER					
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	GR					

FOREIGN PATENT DOCUMENTS

		Document Number	Date MM/YYYY	Country	Inventor Name		Abstract		Readily Available	
							Enclosed	No	Enclose	No
SPZ	HR	WO 98/20734	05/1998	PCT						
	IR									
	JR									
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	MR									
	NR									
	OR									
	PR									
	QR									

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

RR	Glenn, Gregory M. et al. "Skin immunization made possible by cholera toxin", Nature, Vol. 391, February 26, 1998, p. 851			
SR	Glenn, Gregory M. et al. "Advances in vaccine delivery: transcutaneous immunisation", Ashley Publications Ltd. ISSN, 1999, pp. 797-805.			
TR	Johnson, S.A. et al., "Vaccination onto bare skin", Scientific Correspondence, Nature, Vol. 388, August 21, 1997, pp. 729-730.			
UR	Paul, Amla, et al., "Transdermal immunization with large proteins by means of ultradeformable drug carriers", Eur. J. Immunol. 1995, pp. 3521-3524.			
VR	Glenn, Gregory M. et al. "Transcutaneous Immunization with Bacterial ADP-Ribosylating Exotoxins as Antigens and Adjuvants", Infection and Immunity, March 1999, pp. 1100-1106.			
WR	Vassell, R. et al. "Activation of Langerhans Cells Following Transcutaneous Immunization", p. 482.8			

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